

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-354484

(43) Date of publication of application : 06.12.2002

(51)Int.Cl.

H04N 7/32

H03M 7/36

H04N 7/30

(21)Application number : 2001-160217

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(22)Date of filing : 29.05.2001

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## (54) RATE TRANSFORMING METHOD FOR ENCODED IMAGE AND RATE TRANSFORMING APPARATUS FOR ENCODED IMAGE

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a structure of a rate transforming apparatus for an encoded image in which errors in prediction residual component are accumulated into a remarkable amount in transmission rate transformation of data encoded by motion compensation prediction or orthogonal transformation.

**SOLUTION:** An I picture and a P picture from the GOP starting position are obtained as picture numbers in this order from fed image encoding data, a DCT transform coefficient obtained from the encoded data is requantized by a quantizer 14c while the codes to be allocated to a motion compensation reference image is larger in quantity at first according to the order of the pictures, thereby obtaining an encoded data transformed into the desired transmission rate. The structure is realized, in which the time for error signal of the prediction residual component generated in requantizing is short, and the encoded data transformed into the prescribed transmission rate is obtained so that audio and visual obstacles are reduced.

